Amendments to the Claims

The following listing of claims replaces all previous listings in the application.

Listing of Claims:

1. (Previously Presented) A commanding system for a computer, comprising:

a memory storing an input module that accepts input from a device in communication with the computer, and a control element located at a control level, the control element having a table of control bindings that connect input to associated action, each control binding in the table of control bindings including a command binding and associated command handler, and wherein the memory further includes an application element located at an application level, the application element having a table of application bindings that connect input to associated action, each application binding in the table of application bindings including a command binding and associated command handler; and

a processor in data communication with the memory, the processor programmed to:

receive the input from the input module;

pass the input to the control element, the control element looking up a matching command binding associated with the input in the table of control bindings;

if the matching command binding is not found in the table of control bindings, pass the input to the application element, the application element looking up the matching command binding associated with the input in the table of application bindings; and

invoke a command handler associated with the matching command binding if the matching binding is found in the table of control bindings or the table of application bindings.

2. (Canceled)

3. (Previously Presented) The system of claim 1, wherein the memory further comprises a second control element with a second table of control bindings, and wherein if the matching command binding is not found in the table of control bindings, the processor is further programmed to:

pass the input to the second control element, the second control element looking up the matching command binding associated with the input in the table of second control bindings; and

invoke the handler associated with the matching command binding if the matching command binding is found in the table of second control bindings.

4. (Previously Presented) The system of claim 3, wherein passing of the input from the control element to the second control element is a bubble operation, and wherein the processor is programmed to perform a plurality of bubble operations until the matching command binding is found.

5. (Previously Presented) The system of claim 3, wherein the control element and the second control element each form a node in an tree stored in the memory, and wherein the tree includes a plurality of additional nodes, each additional node including a table of bindings.

6. (Previously Presented) The system of claim 3, wherein each control binding in the table of control bindings includes at least a command binding, a command, and a command handler.

7. (Previously Presented) The system of claim 6, wherein the processor is further programmed to pass a command associated with the matching command binding from the control element to the second control element.

8. (Previously Presented) The system of claim 1, wherein each control binding in the table of control bindings includes at least a command binding, a command, and a command handler.

9. (Previously Presented) The system of claim 1, wherein the memory further comprises an application and a plurality of control elements associated with the application, wherein each of the plurality of control elements including a table of control bindings that connects input to associated action.

10. (Previously Presented) The system of claim 9, wherein the table of control bindings of each of the plurality of control elements differs for each control element.

11.-14. (Canceled)

15. (Currently Amended) A method for commanding for a computer system, comprising:

receiving input from a user of the computer system;

passing the input to a control element in a control level;

bubbling the input up through all levels of control elements in a tree;

looking up a matching command binding associated with the input in a table of control bindings;

if the matching command binding is not found in the table of control bindings, passing the input to an application element in an application level;

looking up the matching command binding associated with the input in a table of application bindings;

tunneling the matching command binding associated with the input down through the levels of control elements in the tree; and

invoking a handler associated with the input if the matching command binding is found in either the table of control bindings or the table of application bindings.

16. (Previously Presented) The method of claim 15, further comprising passing the input to a parent control element in the control level if the matching command binding is not found in the table of control bindings.

17. (Canceled)

18. (Canceled)

19. (Previously Presented) The method of claim 15, further comprising determining whether the matching command binding is enabled before invoking a handler.

20. (Previously Presented) The method of claim 15, further comprising tunneling and bubbling a command associated with the matching command binding through all levels of control elements in a tree.

21. (Previously Presented) A computer readable medium having computer-executable instructions for performing the method set forth in claim 15.